

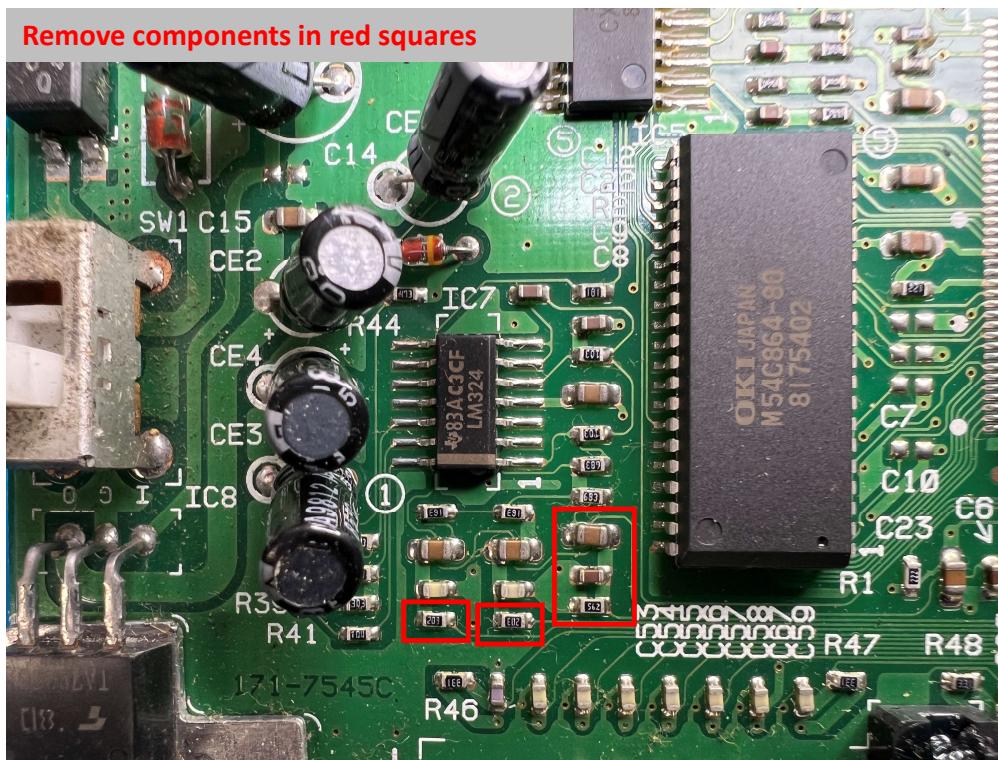
Triple Bypass Guide

Model 3 VA1 Procedure

32X/SMS Function Restore is
not in the scope of this guide

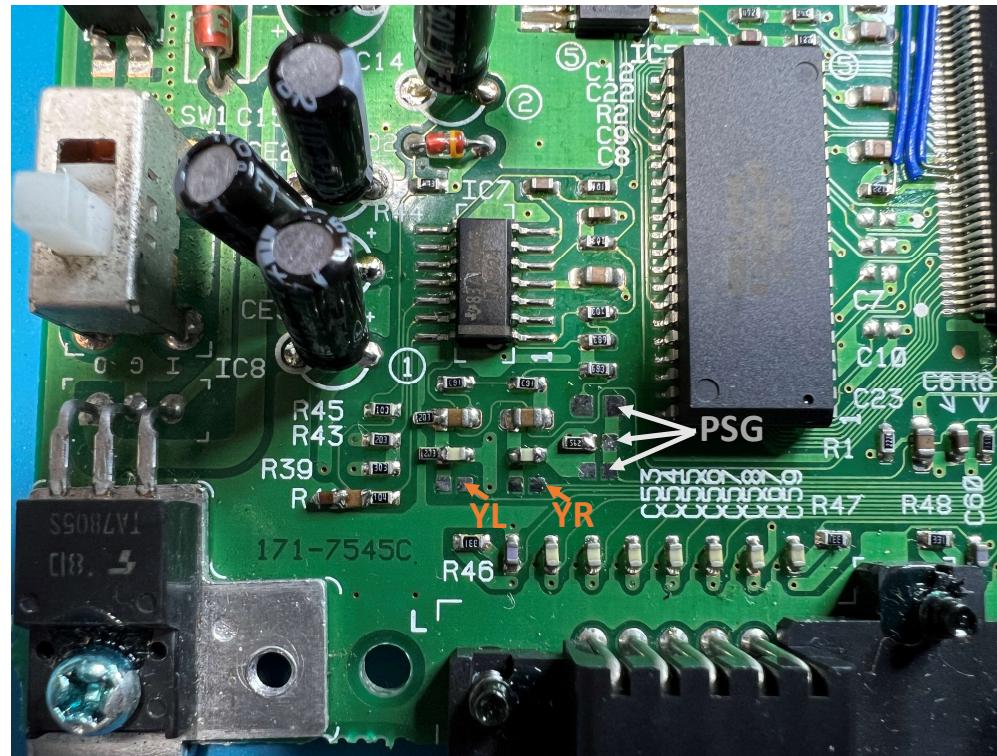


M3VA1 – Audio Component Removal

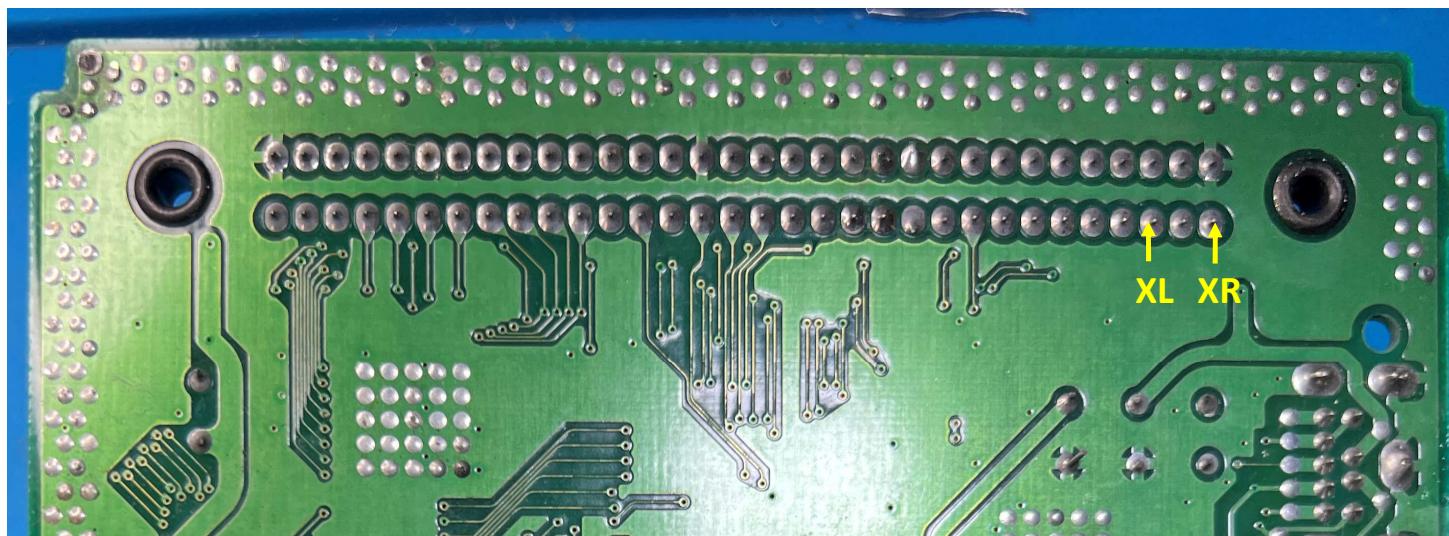


M3VA1 – Audio Signal Points, Top

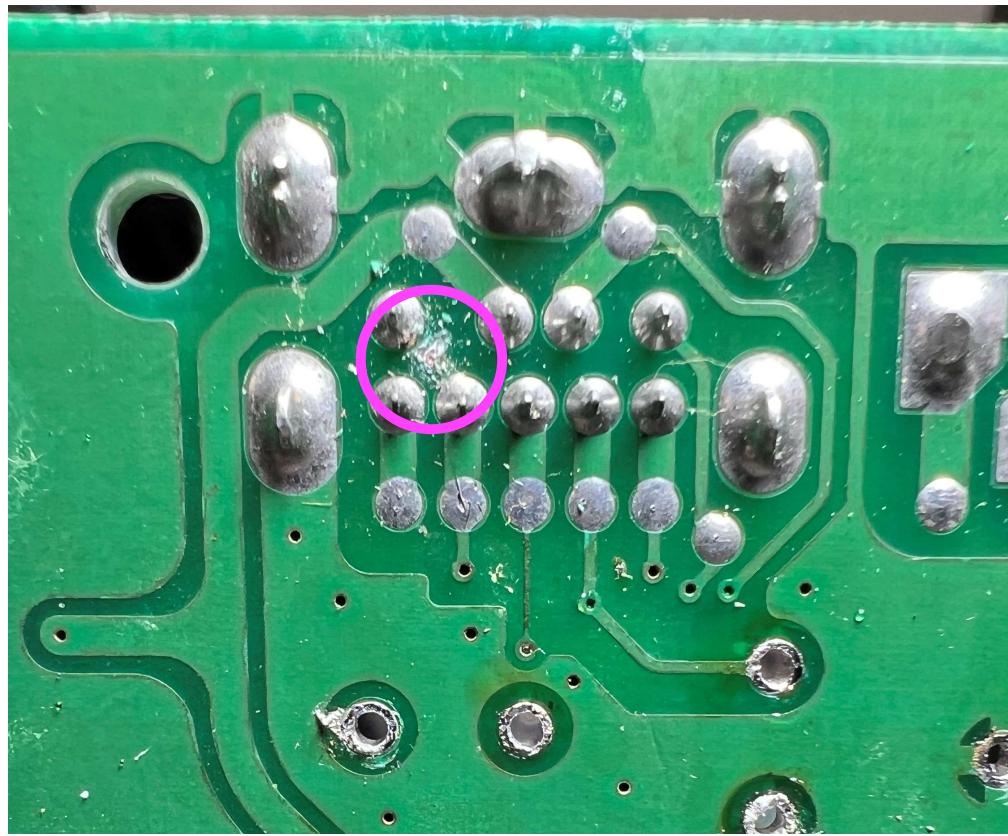
Any of the PSG points shown may be used for the PSG audio signal.



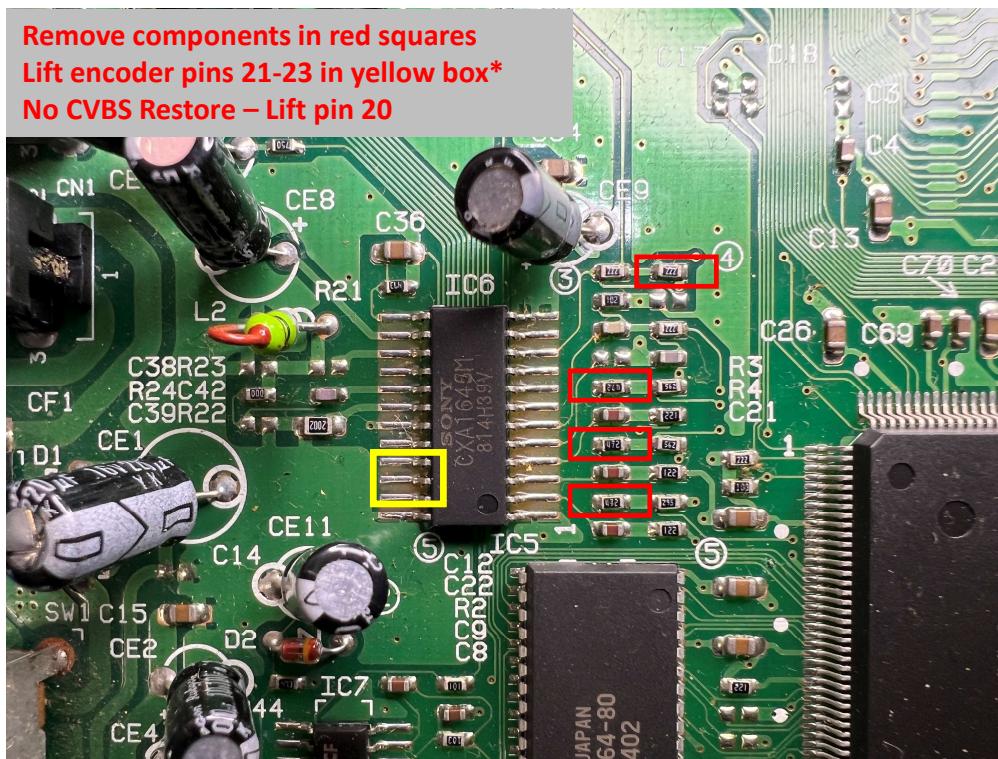
M3VA1 – Audio Signal Points, Bottom



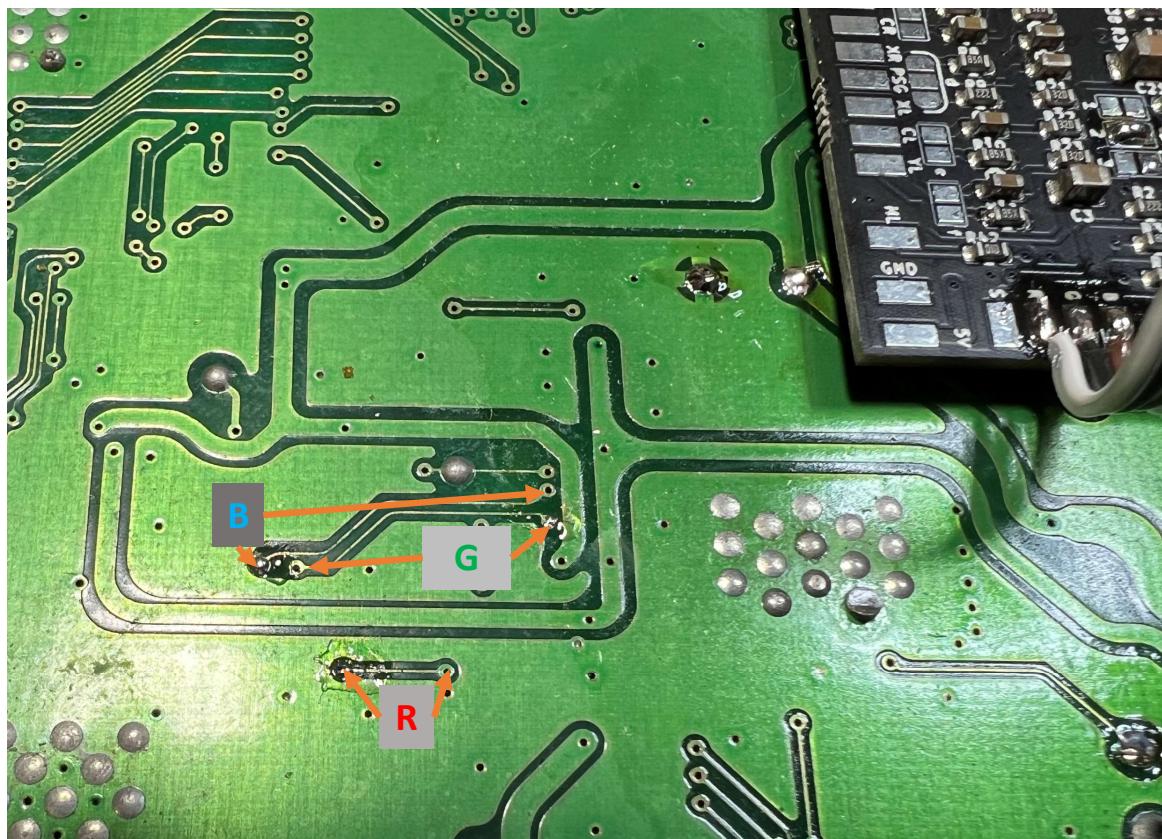
M3VA1 – Audio – Cut Mono/L Audio Trace



M3VA1 – Video Component Removal

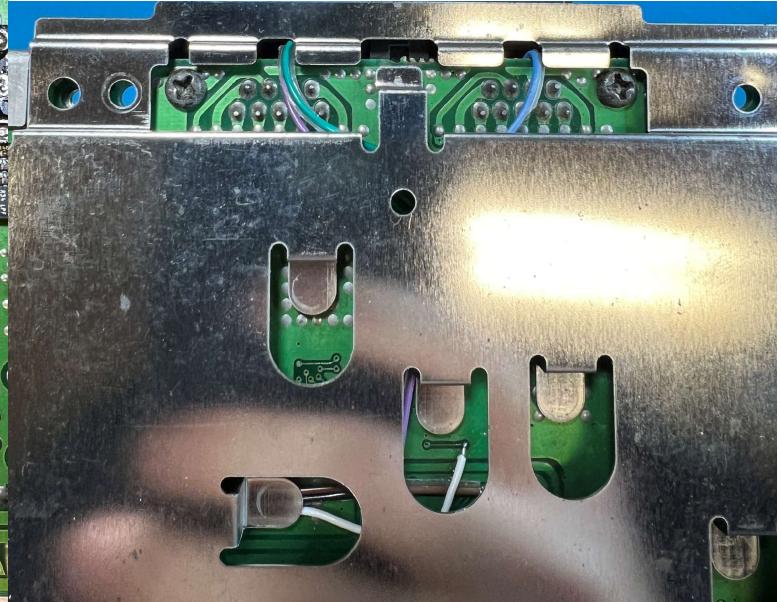
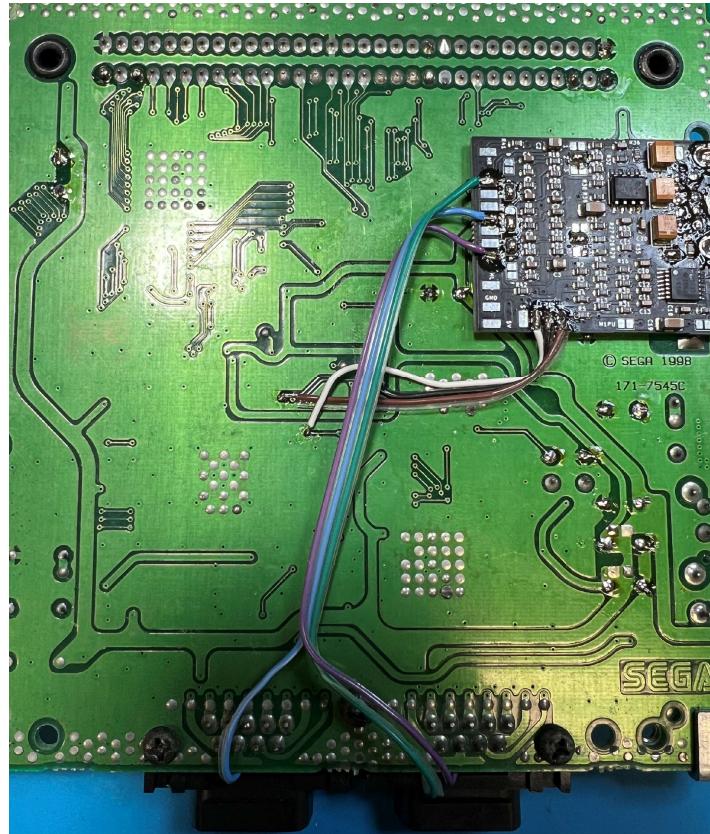


M3VA1 – RGB Solder Points



M3VA1 – Audio Wire Routing

YR, PSG and YL connections should be routed to the top side by way of the controller ports. Keep the wires within the pins of the controller ports so that they do not cause a fitment issue with the RF shield



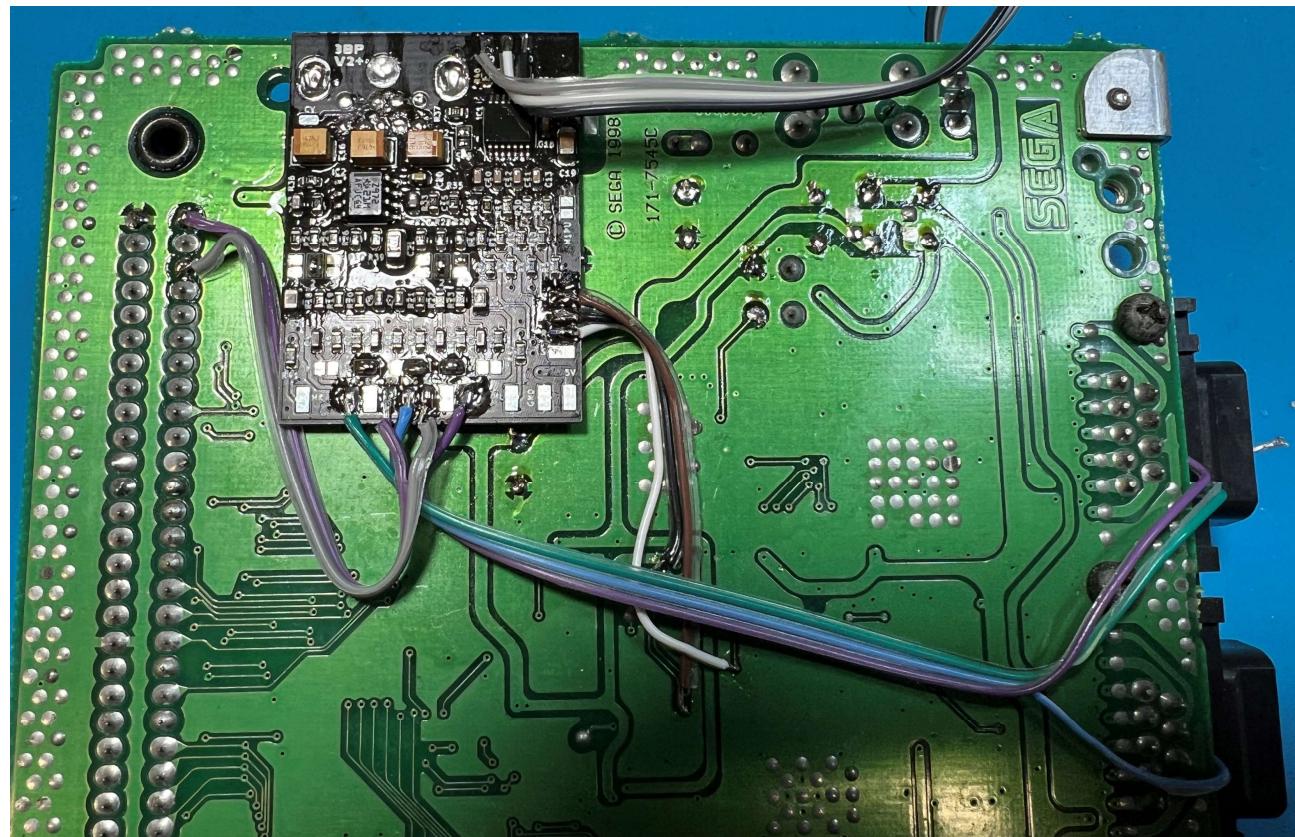
M3VA1 – 3BP Jumpers

- Solder the following jumpers:
 - 3 (Previous picture is incorrect)
 - C, D-right, E
 - S75 if NOT restoring CVBS
- RF Shield and Case
 - You may need to cut some of the RF shield around the 3BP, as well as the portions of the bracket that contact the board where wires may be routed.
 - You may need to trim the plastic mounting piece near the 3BP, if your 3BP covers the hole.

M3VA1 – Wiring Complete, Bottom

XR and XL connections from the Cartridge Slot can now be connected to the 3BP.

If performing a CVBS restore, it is recommended to run the wires to the top side between the power switch/voltage regulator area so that the RF shield can close properly.



M3VA1 – CVBS Restore Points

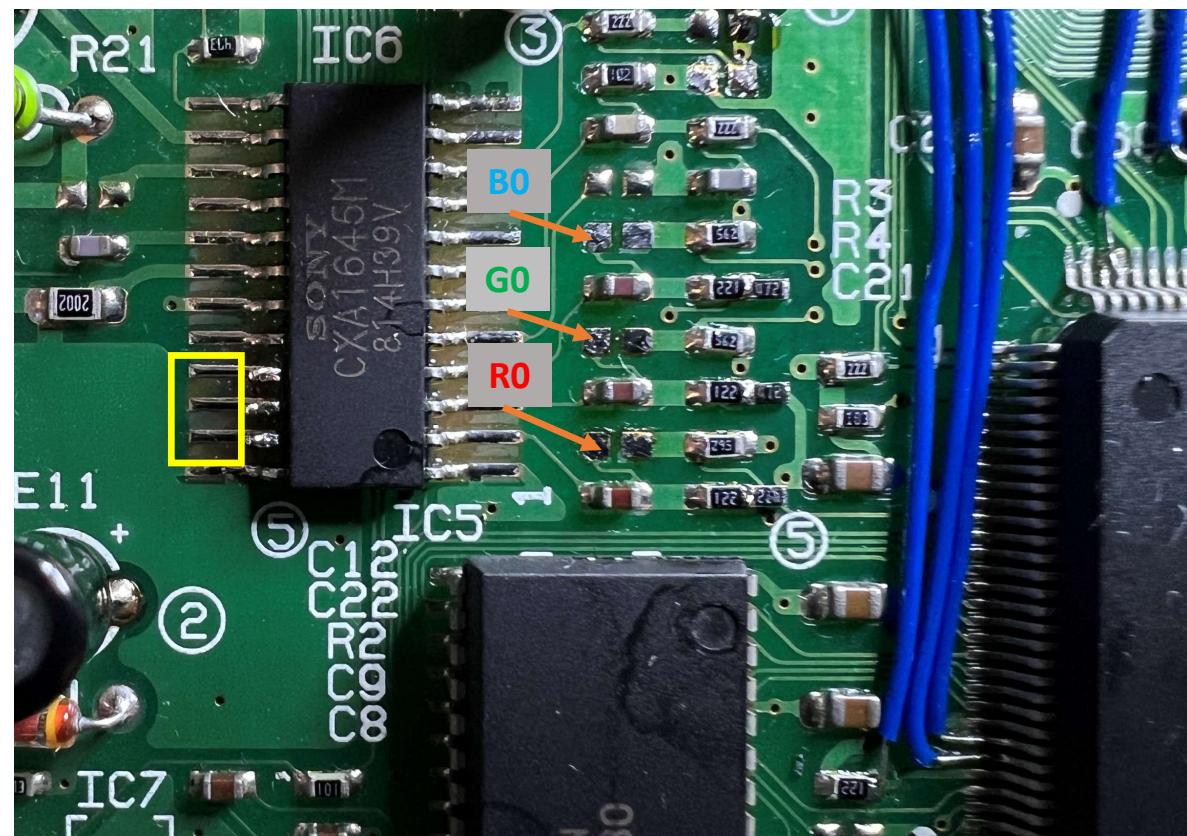
If using a 3BP V2+ with R0/B0/G0 pads, connect them to the points shown to the right.

Using a legacy 3BP, Solder wires directly to the DIN pins. Pinout:

B G
R

OR, utilize the solder pads for encoder pins 21-23 (BGR, respectively).

Connect them to the R0/B0/G0 points through 470-511 ohm resistors.



M3VA1 – CVBS Restore Complete

